

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/014570

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01P15/08 G01P15/12 G01L1/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/167374 A1 (HUNT BRIAN D ET AL) 14 November 2002 (2002-11-14) paragraphs '0040!, '0041!, '0043!; figures 1,3	1,2,4,5, 11
X	TOMBLER T W ET AL: "Reversible electromechanical characteristics of carbon nanotubes under local-probe manipulation" NATURE MACMILLAN MAGAZINES UK, vol. 405, no. 6788, 15 June 2000 (2000-06-15), pages 769-772, XP002320207 ISSN: 0028-0836 pages 769-771	1,2,5,6, 11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

7 March 2005

Date of mailing of the international search report

18/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Trique, M

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HUSAIN A ET AL: "Nanowire-based very-high-frequency electromechanical resonator"</p> <p>APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 83, no. 6, 11 August 2003 (2003-08-11), pages 1240-1242, XP012035772</p> <p>ISSN: 0003-6951</p> <p>page 1240, column 2, paragraph 2 - page 1241, column 1, paragraph 1</p> <p>page 1242, column 1, paragraph 2</p> <p>-----</p>	1,5,11
X	<p>TORIYAMA TOSHIYUKI ET AL:</p> <p>"Piezoresistance measurement on single crystal silicon nanowires"</p> <p>JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 93, no. 1, 1 January 2003 (2003-01-01), pages 561-565, XP012057708</p> <p>ISSN: 0021-8979</p> <p>sections III and IV</p> <p>-----</p>	1,2,5,11

## INTERNATIONAL SEARCH REPORT

### Information on patent family members

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PCT/EP2004/014570

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002167374 A1	14-11-2002	WO 02080360 A1	10-10-2002